

# AGENDA

## Stakeholder Workshop on Earth observation-based information products for drought risk on a national basis

Organized by

**DiMTEC, University of the Free State (UFS), South Africa**

**ZFL, University of Bonn**

**UNU-EHS**

**UNOOSA / UN-SPIDER**

### Programme of work

#### 4 June 2018 (stakeholder workshop): Pretoria

Day / Time	Activity	Remarks
8:30 am - 9:00 am	Registration of participants	
9:00 am - 9:30 am	Welcome (DIMTEC, UFS and UBN-SPIDER)	Welcome Stakeholders and round table introduction
9:30 am – 10:00 am	NDMC, SANSa or CSIR	Recent advances in the use of space technologies in South Africa in the agricultural sector and key challenges to monitor impacts as per the Sendai framework targets
<b>Session 1: EvIDENZ project and its workflows</b>		
10:00 am- 10:30 am	ZFL	Segment of the workflow on the use of space-based vegetation indexes
10:30 am- 11:00 am	Coffee break, Group Photo	
11:00 am- 11:30 am	UNU-EHS	Workflow to estimate number of people affected due to agricultural drought and understanding drought risk in South Africa
11:30 am- 12:00 pm	UNU-EHS	Brief introduction to proposed Policy Brief and distribution of Policy Brief
12:00 pm- 13:30 pm	Lunch break	
<b>Session 2: Monitoring droughts in South Africa</b>		



13:30 pm-14:00 pm	Drought monitoring in South Africa	Presentation on efforts in South Africa to monitor drought as a weather event and its impacts on hydrologic resources
14:00 pm-14:30 pm	Use of space technologies in agriculture	Recent advances in the use of space technologies in South Africa in the agricultural sector
14:30 am-15:30 am	Discussion	What are the current challenges in South Africa regarding the compilation of data on impacts of droughts and other hazards to generate reports to be incorporated in the Sendai Monitoring tool?
15:30 pm-16:00 pm	Coffee break	
16:00 pm-17:30 pm	Discussion	Next steps to incorporate EVIDENZ workflow to assess and report on crop losses in South Africa: <ul style="list-style-type: none"> <li>• Modifying workflow to address other provinces in South Africa</li> <li>• Testing</li> <li>• Potential implementation</li> </ul>
17:30 pm	End of stakeholder workshop in Pretoria	

### 5 June 2018: Training segment – Pretoria

Day / Time	Activity	Remarks
<b>Session 3: Sendai framework monitoring and reporting</b>		
09:00 am-10:00 am	Introduction to the Workflows – UN-SPIDER	Introduction to: <ul style="list-style-type: none"> <li>• Types of data used in the workflows (MODIS composite products);</li> <li>• Additional, in-situ data needed;</li> </ul> Overview of EVIDENZ Recommended Practice in the UN-SPIDER Knowledge Portal
10:00 am-10:30 am	Beginning of training on the use of workflows	
10:30 am-11:00 am	Coffee break	
11:00 am-12:00 am	Continuation of training	
12:00 am-14:00 pm	Lunch break	
14:00 pm-17:00 pm	Continuation of training	
15:00 pm-17:00 pm	Wrap up first day	
17:00 pm	Wrap up	

### 6 June 2018 (continuation of training segment)

Day / Time	Activity	Remarks
8:30 am - 11:00 am	Continuation of training	
11:0 am - 12:00 pm	Discussion and wrap up	
12:00 pm	End of Pretoria segment of the stakeholder and user workshop	

## 8 June 2018 (stakeholder workshop): Eastern Cape

Day / Time	Activity	Remarks
8:30 am - 9:00 am	Registration of participants	
9:00 am - 10:00 am	Welcome (DIMTEC, UFS; UN-SPIDER)	Welcome Stakeholders and round table introduction
<b>Session 1: EVIDENZ project and its workflows</b>		
10:00 am - 10:30 am	EVIDENZ workflow - ZFL	Segment of the workflow on the use of space-based vegetation indexes
10:30 am - 11:00 am	EVIDENZ workflow - UNU-EHS	Workflow to estimate number of people affected due to agricultural drought and understanding drought risk in South Africa
11:00 am - 11:30 am	Coffee break, Group Photo	
11:30 am - 12:00 am	Drought monitoring in Eastern Cape	Presentation on efforts in Eastern Cape to monitor drought as a weather event and its impacts on hydrologic resources
12:00 am - 13:30 pm	Lunch break	
<b>Session 2: Monitoring droughts in South Africa</b>		
13:30 pm - 15:00 pm	UN-SPIDER	On overview of the operational elements of the workflow: <ul style="list-style-type: none"> <li>• Hardware and software employed to use the workflow;</li> <li>• Data sources and pre-processing;</li> <li>• Characterization of severity of droughts in Eastern Cape: an example from the workflows;</li> <li>• Incorporation of the in-situ data on land-use (agriculture, livestock, population census);</li> <li>• Output of the workflow (number of people affected by drought).</li> </ul>
15:00 am - 15:30 am	Coffee break	
15:30 pm - 17:00 pm	Discussion on potential implementation of workflow	Next steps to incorporate EVIDENZ workflow to assess and report on crop losses in South Africa: <ul style="list-style-type: none"> <li>• Modifying workflow to address other provinces in South Africa;</li> <li>• Testing;</li> <li>• Potential implementation.</li> </ul>
17:00 pm	End of stakeholder workshop in Eastern Cape	